

Message Text

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21/64

ORIGIN OES-05

INFO OCT-01 EUR-12 IO-10 ISO-00 CEQ-01 NSF-02 AID-05

COME-00 CEA-01 CIAE-00 EB-07 EA-10 FRB-01 INR-07

NEA-10 NSAE-00 RSC-01 OPIC-06 SP-02 TRSE-00 CIEP-02

LAB-04 SIL-01 SWF-01 OMB-01 FEA-01 SS-15 NSC-05 L-02

H-02 EPA-04 DOTE-00 HUD-02 HEW-06 STR-04 INT-05 AGR-10

PM-03 DODE-00 OIC-02 CU-04 /155 R

66610

DRAFTED BY: OES/SCI/BMP:PHEMILY:LER:GEM

APPROVED BY: IO/CMD:JMCDONALD

OES/SCICNSIEVERING

OES/SCI/AE:JBLOOM

OES/SCI/SA:RMORRIS

CEQ:LSLAWECKI (PHONE)

OEP/NSF:STRATTIEN (SUBS)

IO/CMD:JMCDONALD

SIS/NSF:EPRONKO (PHONE)

DIST: OES/SCI/EN, STPO/NSF, AID/SER/ENGR, AID/TA/OST,

NBS, OIP/NSF

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P R 052050Z DEC 74

FM SECSTATE WASHDC

TO USMISSION GENEVA PRIORITY

INFO USMISSION OECD PARIS

USMISSION USUN NEW YORK

UNCLAS STATE 267224

C O R R E C T E D C O P Y (LINE 1 PARA 2 OMITTED)

E.O. 11652: N/A

TAGS: TGEN, ECE

SUBJECT: ECE SENIOR ADVISERS ON SCIENCE AND TECHNOLOGY

UNCLASSIFIED

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(S&T) DEC. 9-13, 1974 MEETING

REF: AGENDA ECE/SCTECH/5

1. SUMMARY. INSTRUCTIONS PROVIDED USDEL ON AGENDA ITEMS OF 3RD SESSION OF S&T ADVISERS. PRINCIPAL OBJECTIVE IS TO FOCUS OVERLY ACADEMIC ACTIVITIES ON SHORT-TERM, PRAGMATIC, PROBLEM-ORIENTED PROJECTS KEEPING IN MIND PRIMARY E/W FOCUS ON TECHNOLOGY POLICY ISSUES, PARALLEL EFFORTS IN OTHER INTERNATIONAL ORGANIZATIONS, AND CONSTRAINTS ON US PARTICIPATION. PROPOSED WORK ON ENERGY TECHNOLOGIES MOST LIKELY PRIORITY ACTIVITY IN FUTURE PROGRAM BUT NEEDS CAREFUL ORIENTATION WITHIN MANAGEABLE LIMITS AND WITH RESPECT TO WORK OF OTHER SUBSIDIARY BODIES. END SUMMARY.

2. AGENDA MAY BE APPROVED WITH MODIFICATIONS AS APPROPRIATE. ENERGY QUESTIONS IN ITEM 4(D) MIGHT BETTER BE CONSIDERED TOGETHER WITH ITEM 6. ENCOURAGE ELECTION OF WESTERN CHAIRMAN; KNOX (UK) WHO IS CURRENTLY VICE CHAIRMAN WOULD BE GOOD CANDIDATE. FOLLOWING PARA NUMBERS REFER TO REF AGENDA ITEMS.

3. AGENDA ITEM 3 INCLUDES MANY REFERENCES TO JOINT OR COOPERATIVE WORK WITH OTHER SUBSIDIARY BODIES, SOME OF WHICH WOULD BE WELCOME, AS INDICATED BELOW, IN ORIENTING S&T ACTIVITIES ALONG MORE PRAGMATIC LINES. SECRETARIAT SHOULD BE REQUESTED TO PROVIDE CLARIFICATION ON JOINT OR COOPERATIVE EFFORTS.

4.(A) USDEL PREPARED TO DISCUSS, AS APPROPRIATE, RECENT STRUCTURAL AND POLICY DEVELOPMENTS CONCERNING US SCIENCE AND TECHNOLOGY.

4.(B) USDEL PREPARED TO DISCUSS, AS APPROPRIATE, DEVELOPMENTS OVER THE PAST 2 YEARS IN S&T AGREEMENTS WITH EASTERN COUNTRIES.

4.(C) STATUS REPORT ON SECRETARIAT STUDIES ON TECHNOLOGICAL SPECIALIZATION AND POLICIES FOR INNOVATION UNDERSCORES CONCERN EXPRESSED AT LAST MEETING OF OVER UNCLASSIFIED

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EMPHASIS ON ACADEMIC, THEORETICAL STUDIES OF SEEMINGLY LIMITED VALUE TO MEMBER COUNTRIES. VIEWS OF OTHER DELS SHOULD BE SOUGHT ON USE BEING MADE OF THIS WORK WITH OBJECTIVE OF REORIENTING SECRETARIAT EFFORTS IN SUPPORT OF MORE PRACTICAL PROJECTS IN OVERALL WORK PROGRAM. FUTURE EFFORTS ON R&D OUTPUT, AND TARGET AREAS AND INDUSTRIES FOR STIMULATING TECHNOLOGICAL INNOVATION, IF GENERALLY SUPPORTED BY OTHER DELS, SHOULD BE LIMITED AS MUCH AS POSSIBLE TO IDENTIFICATION OF STUDIES AND SUMMARIZING RESULTS OF SUCH STUDIES PERFORMED BY NATIONAL (ACADEMIC) RESEARCH GROUPS AND INTERNATIONAL ORGANIZATIONS, E.G. OECD. SUGGEST CRITICAL REVIEW OF INDUSTRIAL SECTOR STUDIES BY SUBSIDIARY BODIES AS

APPROPRIATE WITH OBJECTIVE OF ORIENTING FUTURE EFFORTS
TOWARDS PRACTICAL RESULTS.

4.(D) WITH RESPECT TO TECHNOLOGICAL ASSESSMENT (TA) AND
ENVIRONMENT FACTORS USDEL MAY SUPPORT MODEST CLEARING
HOUSE FUNCTION ON A TRIAL BASIS RESTRICTED TO CENTRAL
GOVERNMENT STUDIES IN GENERAL AREAS OF ENERGY/
ENVIRONMENTAL PROBLEMS. HOWEVER, SECRETARIAT RESOURCES
MIGHT BETTER BE UTILIZED IN RELATED STUDY OR SEMINAR
AS MAY BE AGREED UNDER AGENDA ITEM 6. PROPOSED JOINT
STUDY FROM ENVIRONMENT ADVISERS (NOT REALLY TA) SHOULD
BE CONSIDERED ALSO WITH AGENDA ITEM 6. IN ANY CASE,
NATURE OF COOPERATIVE EFFORT WITH S&T ADVISERS UNCLEAR.
STUDY OUTLINE SEEMS DISJOINTED AND OVERLY AMBITIOUS.
PREFERABLE TO FOCUS ON SINGLE TOPIC SUCH AS COAL
TECHNOLOGY WHICH MIGHT PROVIDE BASIS FOR JOINTLY
SPONSORED AND USEFUL SEMINAR ON BOTH TA AND ENVIRON-
MENTAL IMPACTS. ABOVE ALL, IF WORK AGREED IN TA AREA
AND ENVIRONMENTAL ASPECTS, ESSENTIAL TO DRAW ON

CONSIDERABLE EFFORTS OF OECD AND MEMBER COUNTRIES.

4.(E) TECHNOLOGY TRANSFER DOCUMENT PROVIDES USEFUL
BACKGROUND TO MOVE TOWARDS FIXING AGENDA AND PAPERS FOR
US PROPOSED MANAGEMENT SEMINAR THIS AREA. MUCH STILL
NEEDS TO BE DONE TO SIMPLIFY AND FOCUS PREPARATIONS OF
NATIONAL CONTRIBUTIONS. USDEL ASSISTED BY ADVISER
CHINGARI SHOULD MEET WITH OTHER INTERESTED DELS AND
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SECRETARIAT TO REACH AGREEMENT ON CONTENT, DATE, AND
PROCEDURES FOR HOLDING SEMINAR. AGENDA DOC PROVIDES
EXTENSIVE REVIEW OF ECE AND UNCTAD GUIDELINES WHICH
SHOULD BE CONSIDERED AS USEFUL BACKGROUND INFO. HOWEVER,
USDEL SHOULD STRESS OBJECTIVE OF SEMINAR IS TO EXCHANGE
E/W MANAGERIAL EXPERIENCE AND FORMULATE GUIDANCE ON THE
MANAGEMENT OF THE TRANSFER OF INDUSTRIAL TECHNOLOGY AT
THE ENTERPRISE LEVEL.

4.(F) US FEELS VALUE OF ECE WORK ON SCIENTIFIC AND
TECHNOLOGICAL INFORMATION IS MARGINAL AT BEST. ANY
MODEST FUTURE EFFORTS SHOULD BE PROBLEM ORIENTED AND
LINKED TO SPECIFIC CONCERNS SUCH AS ENERGY, ENVIRONMENT,
MATERIALS; PREFERABLY AS RESPONSES TO INTERESTS EVOLVING
FROM SUBSIDIARY GROUPS (INDUSTRIAL SECTORS) AS MAY BE
APPROPRIATE. S&T ADVISERS SHOULD ENSURE WORK OF OTHER
INTERNATIONAL ORGANIZATIONS, E.G. UNESCO/UNISIST, IS
RECOGNIZED AND UTILIZED FULLY.

4.(G) USDEL MAY SUPPORT PROPOSED WORK ON IMPROVEMENT OF
STATISTICS OF SCIENCE AND TECHNOLOGY IN CONTEXT THAT IT
REINFORCES, COMPLEMENTS, AND EXTENDS EFFORTS OF UNESCO

AND OTHER INTERNATIONAL ORGANIZATIONS, E.G. OECD.

5. USDEL MAY COMMEND POLISH GOVERNMENT FOR HOSTING SEMINAR ON ORGANIZATION AND MANAGEMENT OF COOPERATIVE INTERNATIONAL RESEARCH, SUGGEST THAT THE REPORT (INCLUDING GUIDELINES) OF THE SEMINAR BE WIDELY DISSEMINATED. NO SPECIFIC FOLLOW UP ACTION OR STUDY SHOULD BE ENCOURAGED EXCEPT REFERRAL OF SEMINAR RESULTS FOR CONSIDERATION OF PROBLEM ORIENTED R&D GROUPS IN APPROPRIATE ENERGY/ENVIRONMENT/MATERIALS FIELDS SPONSORED BY SUBSIDIARY BODIES AND S&T ADVISERS AS MAY BE APPROPRIATE.

6. AGENDA DOCS POINT UP WIDE SCOPE OF POSSIBLE FOLLOW UP WORK ON ENERGY TECHNOLOGIES WHICH MUST BE FOCUSED ON MODEST MANAGEABLE EFFORTS LINKED TO PROGRAMS OF ECE SUBSIDIARY BODIES AND OTHER INTERNATIONAL ORGANIZATIONS. USDEL SHOULD PLAY PASSIVE ROLE IN RESPONSE TO ANY QUERIES ON 1972 US PROPOSAL ON "ASSESSMENT OF ENERGY UNCLASSIFIED

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TECHNOLOGIES." SUGGEST ONLY SECRETARIAT PREPARATORY WORK AND POSSIBLE MEMBER COUNTRY R&D SURVEY BASED ON SAME FORMAT OF RECENTLY CONCLUDED OECD STUDY AS WAS PROPOSED BY USDEL TO OCTOBER ECE EXPERT MEETING ON ENERGY TECHNOLOGIES. SIMILARLY, IF OTHER DELS SUPPORT PROPOSED SECRETARIAT STUDY ON TECHNOLOGICAL INNOVATIONS OR RESEARCH THEMES, THIS SHOULD BE LINKED TO ANY PREPARATORY WORK AND STUDIES CONCERNED WITH ANALYTICAL FRAMEWORK AND SURVEY AS WELL AS JOINT EFFORTS WITH ENVIRONMENT ADVISERS (AGENDA ITEM 4(D)). CLEARING HOUSE FUNCTION ON INFO CONCERNED WITH ENERGY SYSTEMS SHOULD DRAW ON CAPABILITIES OF IIASA. SECRETARIAT SHOULD PROVIDE MORE DETAILS ON PROPOSED SEMINAR CONCERNED WITH BASIC PRODUCTS AND ENERGY TO BE SPONSORED BY ECONOMIC, ENVIRONMENT AND S&T ADVISERS WHICH MIGHT ALSO INVOLVE IIASA. USDEL SHOULD INSIST ON MUCH IMPROVED PREPARATIONS INCLUDING USING WRITTEN COMMUNICATIONS BEFORE ANY FUTURE EXPERT MEETINGS ON ENERGY INNOVATIONS ARE CALLED.

7. AGENDA DOC ON BASIC INDUSTRIAL MATERIALS AND NATURAL RESOURCES PROVIDES LITTLE INSIGHT FOR S&T SEMINAR ALREADY NOTED UNDER AGENDA ITEM 6. RUNDOWN ON ECE ACTIVITIES POINTS UP DISPERSED EFFORTS OF SUBSIDIARY BODIES WITH POSSIBLE NEED FOR COORDINATION THROUGH SYSTEMS APPROACH. HOWEVER, IN VIEW OF WORK GOING ON ELSEWHERE, AND MODEST RESOURCES AVAILABLE, USDEL SHOULD NOT ENCOURAGE ADDITIONAL ECE EFFORTS ON MANAGEMENT ASPECTS OF RENEWABLE AND NON-RENEWABLE RESOURCES BEYOND IMPROVED COORDINATION OF ON-GOING WORK OF SUBSIDIARY BODIES.

8. NO COMMENTS

9. SAME AS ITEM 3

10. WITH REF TO FUTURE WORK PROGRAM, USDEL SHOULD KEEP IN MIND MODEST SECRETARIAT CAPABILITIES, PRIMARY E/W FOCUS ON TECHNOLOGY POLICY ISSUES, CONTINUING CSCE DISCUSSIONS, WORK GOING ON IN OTHER INTERNATIONAL ORGANIZATIONS AND EXCESSIVE DEMANDS ON NATIONAL UNCLASSIFIED

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EXPERTISE IN TRYING TO FOCUS ON MORE PRAGMATIC PROBLEM-ORIENTED -ECE PROJECTS. FOUR PRINCIPAL FIELDS ADOPTED AT 2ND SESSION ARE ACCEPTABLE.

A. PROPOSED WORK IN ACTIVITY NUMBER 1 COVERED IN COMMENTS ON AGENDA ITEM 4, ABOVE.

B. PLAN TO CONVENE MEETING OF "RAPORTEURS" UNDER

ACTIVITY TWO ON COOPERATIVE RESEARCH IS VAGUE AND SHOULD BE DISCOURAGED PRIOR TO USING TO FULLEST WRITTEN PROCEDURES COUPLED TO SECRETARIAT PREPARATORY WORK.

C. PRINCIPLE ACTIVITS 3 ON ENERGY TECHNOLOGIES COVERED IN COMMENTS ON AGENDA ITEM 6, ABOVE. THIS MOST LIKELY PRIORITY ACTIVITY, BUT REQUIRES FOCUS WITHIN MANAGEABLE LIMITS INCLUDING NATIONAL PARTICIPATION.

D. PROPOSED WORK IN ACTIVITY 4 ON MATERIALS AND NATURAL RESOURCES, PARTICULARLY WITH RESPECT TO RECYCLING, IS VAGUE AND SHOULD NOT BE ENCOURAGED IN ANY THEORETICAL ACADEMIC SENSE. SUGGEST SUCH EFFORTS BE UNDERTAKEN BY SUBSIDIARY BODIES WITH POSSIBILITY OF OVERVIEW OR COORDINATION BY S&T ADVISERS. KISSINGER

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Message Attributes

Automatic Decaptioning: X
Capture Date: 27 JUL 1999
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: MEETING AGENDA, SCIENTIFIC COOPERATION, TECHNOLOGICAL EXCHANGES
Control Number: n/a
Copy: SINGLE
Draft Date: 05 DEC 1974
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1974STATE267224
Document Source: ADS
Document Unique ID: 00
Drafter: OES/SCI/BMP:PHEMILY:LER:GEM
Enclosure: n/a
Executive Order: N/A
Errors: n/a
Film Number: D740353-1078
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1974/newtext/t19741276/abbrzaep.tel
Line Count: 257
Locator: TEXT ON-LINE, TEXT ON MICROFILM
Office: ORIGIN OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 5
Previous Channel Indicators:
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: AGENDA ECE/SCTECH/5
Review Action: RELEASED, APPROVED
Review Authority: MorefiRH
Review Comment: n/a
Review Content Flags:
Review Date: 29 MAY 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <29 MAY 2002 by colstocv>; APPROVED <11 FEB 2003 by MorefiRH>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: <DBA CORRECTED> mcm 971110
Subject: ECE SENIOR ADVISERS ON SCIENCE AND TECHNOLOGY
TAGS: TGEN, ECE, TGEN
To: GENEVA INFO OECD PARIS
USUN N Y
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005